



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:

10/518,927

Source:

PCT

Date Processed by STIC:

1-11-05

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FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):  
U.S. Patent and Trademark Office, 220 20<sup>th</sup> Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04

# Sequence Listing Error Summary

SERIAL NUMBER: 10/518927

## ERROR DETECTED

## SUGGESTED CORRECTION

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1    Wrapped Nucleics  
    Wrapped Aminos     The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2    Invalid Line Length     The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3    Misaligned Amino  
    Numbering     The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4    ☒ Non-ASCII     The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5    Variable Length     Sequence(s)        contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>.<223> section that some may be missing.
- 6    PatentIn 2.0  
    "bug"     A "bug" in PatentIn version 2.0 has caused the <220>.<223> section to be missing from amino acid sequences(s)       . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>.<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>.<223> sections for Artificial or Unknown sequences.
- 7    Skipped Sequences  
    (OLD RULES)     Sequence(s)        missing. If intentional, please insert the following lines for each skipped sequence:  
                    (2) INFORMATION FOR SEQ ID NO X (insert SEQ ID NO where "X" is shown)  
                    (i) SEQUENCE CHARACTERISTICS (Do not insert any subheadings under this heading):  
                    (xi) SEQUENCE DESCRIPTION SEQ ID NO X (insert SEQ ID NO where "X" is shown)  
                    This sequence is intentionally skipped  
  
                    Please also adjust the "(ii) NUMBER OF SEQUENCES" response to include the skipped sequences.
- 8    Skipped Sequences  
    (NEW RULES)     Sequence(s)        missing. If intentional, please insert the following lines for each skipped sequence:  
                    <210> sequence id number  
                    <400> sequence id number  
                    000
- 9    Use of n's or Xaa's  
    (NEW RULES)     Use of n's and/or Xaa's have been detected in the Sequence Listing.  
                    Per 1.823 of Sequence Rules, use of <220>.<223> is MANDATORY if n's or Xaa's are present.  
                    In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
- 10    Invalid <213>  
    Response     Per 1.823 of Sequence Rules, the only valid <213> responses are Unknown, Artificial Sequence, or scientific name (Genus/species). <220>.<223> section is required when <213> response is Unknown or is Artificial Sequence.
- 11    Use of <220>     Sequence(s)        missing the <220> "Feature" and associated numeric identifiers and responses.  
                    Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section.  
                    (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12    PatentIn 2.0  
    "bug"     Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13    Misuse of n/Xaa     "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid.

AMC - Biotechnology Systems Branch - 09/09/2003

BEST AVAILABLE COPY

Sequence listing

PLS  
remove  
this  
info.

<120> DNA sequence and preparation of grass pollen allergen Phl p 4 by recombinant methods

This info should  
be placed into  
Sequence listing.

10/5/8, 927

- 1 -

delete

delete

## Sequenz-Protokoll

&lt;110&gt; Merck Patent GmbH

<120> DNA-Sequenz und rekombinante Herstellung des Graspollen-Allergens  
Ph1 p 4

&lt;130&gt; P 02/101

&lt;140&gt; EP 02 013953.1

&lt;141&gt; 2002-06-25

&lt;160&gt; 52

&lt;170&gt; PatentIn version 3.1

&lt;210&gt; 1

&lt;211&gt; 1503

&lt;212&gt; DNA

&lt;213&gt; Phleum pratense

&lt;220&gt;

&lt;221&gt; artificial\_DNA\_sequence

&lt;222&gt; (1)..(69)

&lt;223&gt; DNA sequence derived from sequenced protein

&lt;220&gt;

&lt;221&gt; native\_DNA\_sequence

&lt;222&gt; (70)..(1503)

&lt;223&gt;

The type of errors shown exist throughout  
the Listing. Please check subsequent  
sequences for similar errors.

PLS delete Page 2

PLS do not use  
foreign language in

U.S. Applications,

PLS correct info.  
this to current application  
Number and filing date,

This  
Sequence

WAS NOT  
SAVED in  
ASCII text  
format. PLS  
see item # 4  
on error  
delete summary  
sheet.

16-09-2003

10/5/8,927

PCT/EP 03 EP0306092

-2-

&lt;220&gt;

&lt;221&gt; CDS

&lt;222&gt; (1)..(1503)

&lt;223&gt;

The type of errors shown exist throughout  
the sequence listing. Please check subsequent  
sequences for similar errors.

&lt;400&gt; 1

tac ttc ccg ccg ccg gct gct aaa gaa gac ttc ctg ggt tgc ctg gtt 48  
Tyr Phe Pro Pro Pro Ala Ala Lys Glu Asp Phe Leu Gly Cys Leu Val  
1 5 10 15

aaa gaa atc ccg ccg cgt ctg ttg tac gcg aaa tcg tcg ccg gcg tat 96  
Lys Glu Ile Pro Pro Arg Leu Leu Tyr Ala Lys Ser Ser Pro Ala Tyr  
20 25 30

ccc tca gtc ctg ggg cag acc atc ccg aac tcg ccg tgg tcg tcg ccg 144  
Pro Ser Val Leu Gly Gln Thr Ile Arg Asn Ser Arg Trp Ser Ser Pro  
35 40 45

gac aac gtg aag ccg atc tac atc gtc acc ccc acc aac gcc tcc cac 192  
Asp Asn Val Lys Pro Ile Tyr Ile Val Thr Pro Thr Asn Ala Ser His  
50 55 60

atc cag tcc gcc gtg gtg tgc gcc ccg cac ggt gtc cgc atc cgc 240  
Ile Gln Ser Ala Val Val Cys Gly Arg Arg His Gly Val Arg Ile Arg  
65 70 75 80

gtg cgc agc gcc ggg cac gac tac gag gcc ctc tcg tac ccg tcc ctg 288  
Val Arg Ser Gly Gly His Asp Tyr Glu Gly Leu Ser Tyr Arg Ser Leu  
85 90 95

cag ccc gag gag ttc gcc gtc gtc gac ctt agc aag atg ccg gcc gtg 336  
Gln Pro Glu Glu Phe Ala Val Val Asp Leu Ser Lys Met Arg Ala Val  
100 105 110

tgg gtg gac ggg aag gcc cgc acg gcg tgg gtc gac tcc gcc gcg cag 384  
Trp Val Asp Gly Lys Ala Arg Thr Ala Trp Val Asp Ser Gly Ala Gln  
115 120 125

ctc gcc gag ctc tac tac gcc atc cac aag gcg agt aca gtg ctg gcg 432  
Leu Gly Glu Leu Tyr Tyr Ala Ile His Lys Ala Ser Thr Val Leu Ala  
130 135 140

ttc ccg gcc gcc gtg tgc ccg acc atc gcc gtg gcc gcc aac ttc gcg 480  
Phe Pro Ala Gly Val Cys Pro Thr Ile Gly Val Gly Gly Asn Phe Ala  
145 150 155 160

ggc gcc gcc ttc gcc atg ctg ctg cgc aag tac gcc atc gcg gcc gag 528  
Gly Gly Gly Phe Gly Met Leu Leu Arg Lys Tyr Gly Ile Ala Ala Glu  
165 170 175

aac gtc atc gac gtg aag ctc gtc gac gcc aac gcc acg ctg cac gac 576  
Asn Val Ile Asp Val Lys Leu Val Asp Ala Asn Gly Thr Leu His Asp  
180 185 190

aag aag tcc atg gcc gac gac cat ttc tgg gcc gtc agg gcc gcc ggg 624  
Lys Lys Ser Met Gly Asp Asp His Phe Trp Ala Val Arg Gly Gly Gly  
195 200 205

Page 3

p/s

See item

#4

on error

Summary Sheet

CORRECTED SHEET (RULE 91) ISA/EP

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